coverage) of a weapon or target acquisition system. A minimum of four (4) data parameters (unit location, orientation, minimum and maximum range) is required to display a Range Fan. A minimum of six (6) data parameters (unit location, orientation, left and right limits (required to display a sector), minimum and maximum ranges) are required to display a sector Range Fan. Additional minimum and maximum ranges, and left and right limits may be entered as required. The minimum information required to interoperate with another system is defined below.

IMPLEMENTATION:

Description: **Fire Support, Area, Weapon/Target Acquisition System Range Fans, Circular**
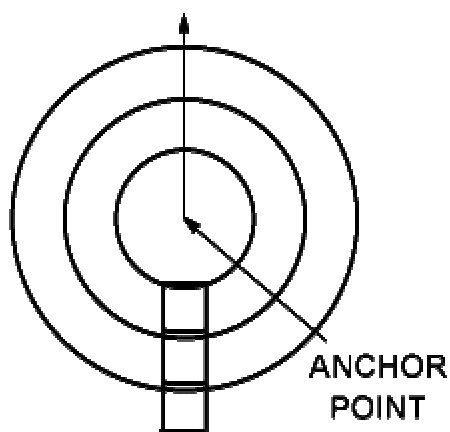
Parameters:

1. Anchor Points. This graphic requires one anchor point that defines an object at a dynamic grid location. This coordinate, which pinpoints the current physical location of a specific unit, weapon or acquisition system, may change with the movement of the object. The symbol for that object is located at the anchor point.

2. Size/Shape. Shapes are concentric circles. Size is defined by the minimum and maximum ranges (as many as required) measured from the anchor point.

3. Orientation. The center point is typically centered over the known location of a weapon or target acquisition system. The orientation of the Circular Range Fan is the direction of engagement. The orientation may change as the object moves or changes.
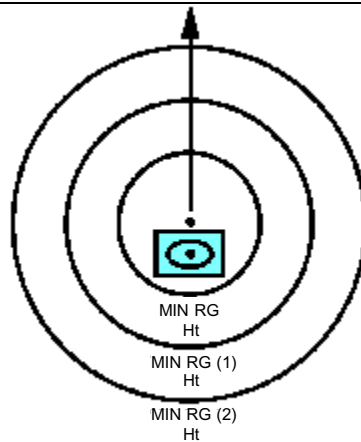
Fixed/Dynamic: Dynamic, to support requirements that the fan box be transferable between true and relative locations.
Hierarchy: 2.X.4.3.11.1
Symbol ID: G*FPAXC
Label: Text boxes will be used to label the minimum and maximum ranges and height of the range fan.

ANCHOR
POINT

MIN RG
Ht

MIN RG (1)
Ht

MIN RG (2)
Ht

Description:**Fire Support, Area, Weapon/Target Acquisition System Range Fans, Sector**
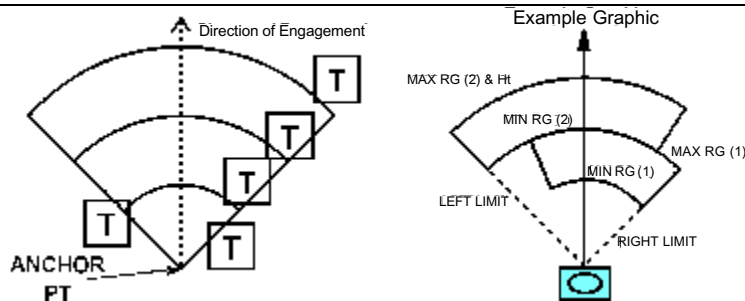
Parameters:

1. Anchor Points. This graphic requires one anchor point that defines an object at a dynamic grid location. This coordinate, which pinpoints the current physical location of a specific unit, weapon or acquisition system, may change with the movement of the object. The symbol for that object is located at the anchor point.

2. Size/Shape. Determined from the anchor point with a single azimuth that denotes Sector Center. The maximum left and right limits of the sector are measured from the sector centerline. Multiple ranges and/or maximum left and right limits of the sector, as well as height, may be entered, as required, to define the sector.

3. Orientation. The center point is typically centered over the known location of a weapon or target acquisition system. The orientation may change as the object moves or changes.

Fixed/Dynamic: Dynamic, to support requirements that the fan box be transferable between true and relative locations.
Hierarchy: 2.X.4.3.11.2
Symbol ID: G*FPAXS
Label: Text boxes will be used to label the minimum and maximum ranges and maximum left and right sector limits and height.

JIEO ANALYSIS
OVERVIEW: The proposed CP fulfills a need expressed by the Army for a standard Range Fan Symbol. The following changes must be made to the standard to incorporate the proposed changes: 1.Revise table B-III, C2 Symbology: Military Operations symbol ID codes, to include the necessary information for the System Range Fan symbol. 2.Revise figure B-17, Fire Support, to include the System Range Fan symbols. 3.Revise table B-IV, C2 Symbology: Military Operations set, to include a generic and example symbol for both 2.X.4.3.11.1 and 2.X.4.3.11.2. POTENTIAL CONFLICTS WITH EXISTING SYMBOLOGY: The System Range Fan symbols do not conflict with any existing symbols within MIL-STD-2525B. CONFORMANCE TO SYMBOL GUIDELINES: The proposed System Range Fan symbols follows the rules concerning composition, construction, display, and transmission previously set forth in the standard. ADEQUACY AND IMPACT ON OTHER PROGRAMS: None known.
C/S/A COMMENTS
The Navy did not concur with the SSMC majority vote to approve this Change Proposal.
ACTION TAKEN
By a majority electronic vote, the SSMC approved this CP for addition to MIL-STD-2525B on 25 MAR 1999. It will be added to the MIL-STD-2525B either through a future change document or revision to the entire standard.